

What is claimed is:

1. A three dimensional display apparatus comprising:

a view point having a plurality of pre-set positions, said view point controllable by a user;

5 at least two stacked display layers, each layer having a different color, wherein each layer is capable of being on or off and can vary in intensity, such that each layer can be bound close together with one another so produce pixels wherein the pixels form a scene which is spread among said at least two stacked display layers to produce a three-dimensional affect.

10 2. The three dimensional display apparatus of claim 1 wherein said at least two stacked display layers are transparent organic light emitting devices.

3. The three dimensional display apparatus of claim 1 wherein each stacked display layer has at least one color wherein each at least one color is a color selected from the group consisting of cyan, magenta, yellow, black, red, green and blue.